

Title (en)
SCATTERED TOTAL INTERNAL REFLECTANCE IMMUNOASSAY SYSTEM

Publication
EP 0326375 A3 19910807 (EN)

Application
EP 89300737 A 19890126

Priority
US 14924388 A 19880127

Abstract (en)
[origin: EP0326375A2] A new immunoassay system is provided for the detection of ligands or ligand binding partners in solution in a heterogeneous format. The invention relies upon the detection of back scattered light from an evanescent wave disturbed by the presence of a colloidal gold label brought to the interface by an immunological reaction. The evanescent wave existing at the interface in turn is the result of a totally internally reflected incident light wave. Placement of the detector at a back angle above the critical angle insures a superior signal-to-noise ratio.

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IPC 8 full level
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Citation (search report)
• [A] JP S638560 A 19880114 - ORTHO DIAGNOSTIC SYSTEMS INC
• [A] EP 0223427 A1 19870527 - ALTA DIAGNOSTIC MACHINES LTD [GB]

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EP 89300737 A 19890126; AU 2833389 A 19890109; CA 589130 A 19890125; DK 33589 A 19890126; GR 890100045 A 19890125; IE 24789 A 19890126; JP 1518589 A 19890126; PT 8954189 A 19890126; US 14924388 A 19880127